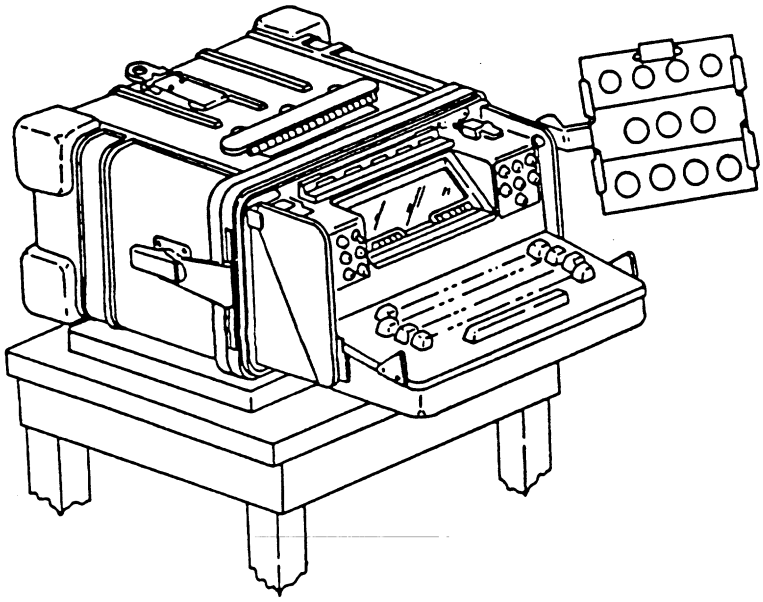
AN/UGC-74A (COMMTERM)



SYSTEM IDENTIFIERS	
NOMENCLATURE:	Communications Terminal
SSN:	B76001
LIN:	V36146
NSN:	5815-01-062-8194
AMIM NO:	S181
EIC:	HYF
FUEL TYPE:	-----

SYSTEM DESCRIPTION

The AN/UGC-74A is a fully militarized, microprocessor controlled communications terminal for message traffic. The unit provides editing and message memory storage capability with battery power backup if primary power fails.

There are no separately authorized components associated with this weapon/materiel system.

AN/UGC-74A (COMM TERM)

LIN	NSN	NOMENCLATURE

This summary provides an overview of FY 95 Total Army operating and support costs and other information for the weapon system. Average cost per system is displayed so the data can be used in performing analytical and cost studies. Average costs are calculated using the end item's density. NET REPARABLES represent the cost with the Major Subordinate Command (MSC) specific credit rates applied (detailed in Section 1 - Overview).

AN/UGC-74A (COMM TERM)
FY 95 TOTAL ARMY COST SUMMARY
(FY 95 Constant Dollars)

DENSITY

NUMBER OF SYSTEMS	908

DEPOT END ITEM MAINTENANCE (5.061)

OMA TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/END ITEM	$0.00
PROC (MODIFICATIONS)	$0

CLASS III-POL (5.05)

NOT APPLICABLE

DEPOT SECONDARY ITEM MAINTENANCE

DBOF TOTAL	$0
QUANTITY COMPLETED	0
AVG COST/SECONDARY ITEM	$0.00

CLASS V-AMMUNITION (2.11)

NOT APPLICABLE

INTERMEDIATE MAINTENANCE

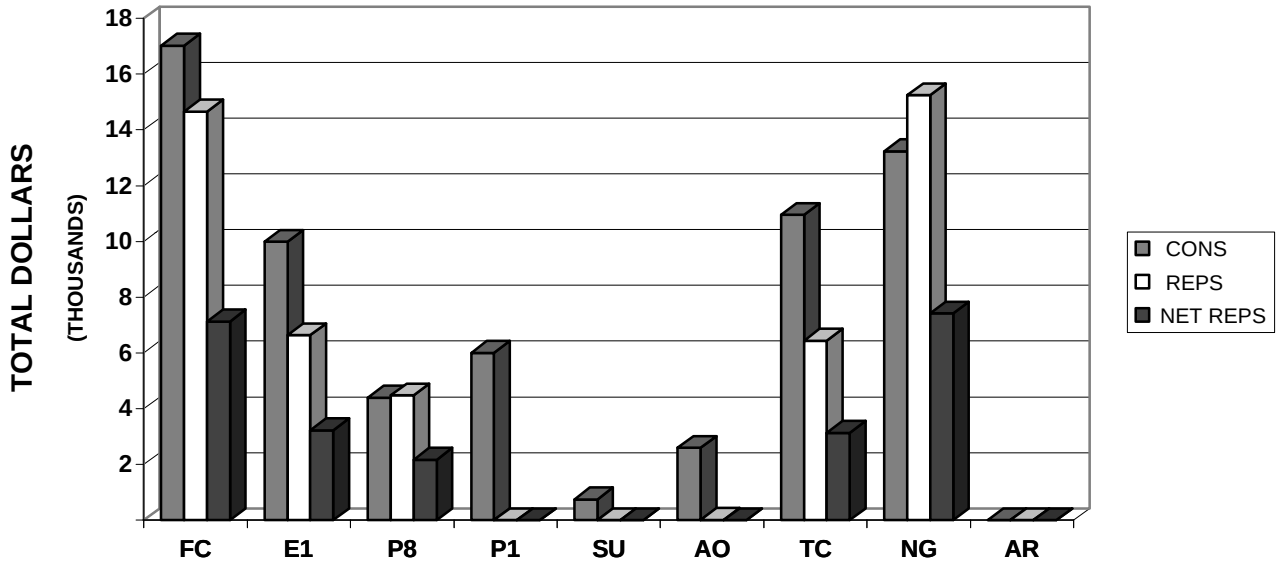
	DS/GS	CIVILIAN
MIL/CIV LABOR COST	$3,089	$508
AVG COST/SYSTEM	$3.40	$1.07
MAINTENANCE MANHOURS	182	18
MMHs/SYSTEM	0.20	0.04

CLASS IX MATERIEL-PARTS (5.04/5.03)

	FY 95 DOLLARS	AVG COST PER SYSTEM
CONSUMABLES	$64,939	$71.52
NET REPARABLES	$23,114	$25.46
NET TOTAL COSTS	$88,053	$96.97

The following graph and table display FY 95 Class IX costs for consumables (CONS), reparables, (REPS), and net reparables (NET REPS) by MACOM. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. TOTAL ARMY (TA) costs are the summation of costs across all MACOMs in the table. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems for each MACOM.

AN/UGC-74A (COMM TERM)

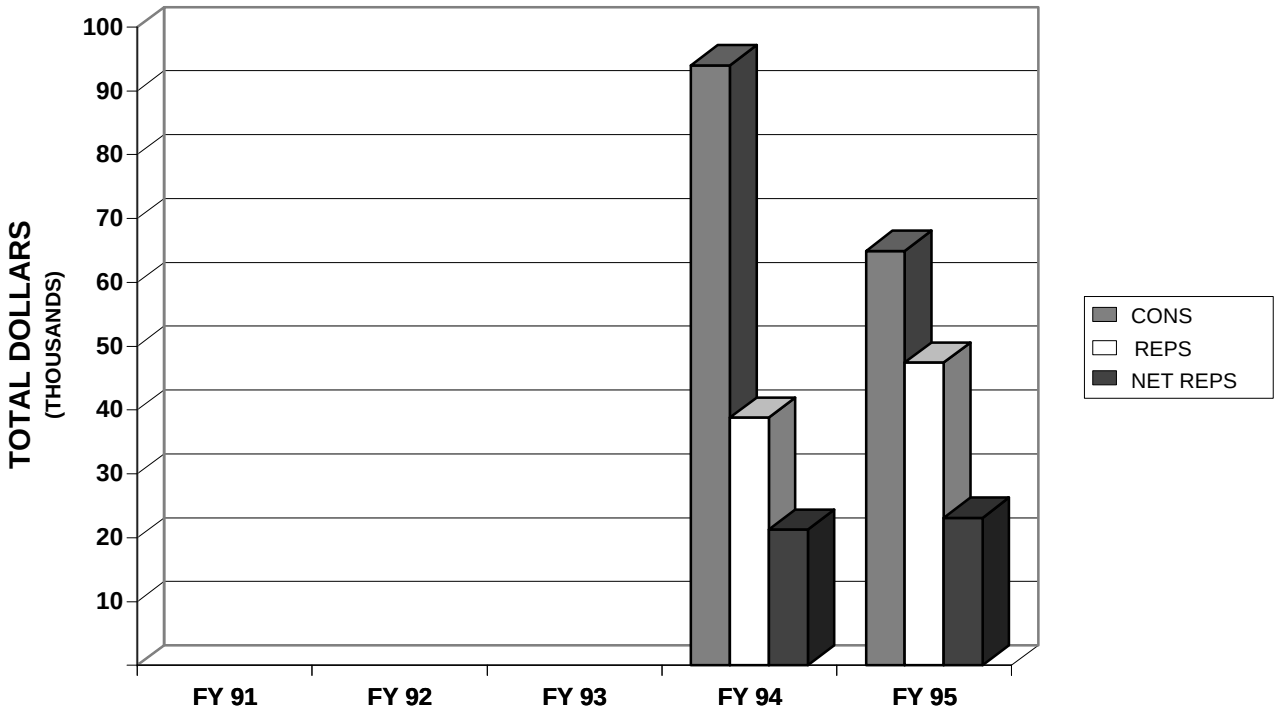


AN/UGC-74A (COMM TERM)
FY 95 MACOM CLASS IX COSTS

MACOM CODE	MACOM NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEMS
FC	FORSCOM	17,018	14,654	7,136	24,154	154	157
E1	USAREUR	9,984	6,636	3,232	13,216	28	472
P8	EUSA	4,394	4,476	2,180	6,574	62	106
P1	USARPAC	6,006	6	3	6,009	13	462
SU	USARSO	756	0	0	756	8	95
AO	USASOC	2,596	10	5	2,601	31	84
TC	TRADOC	10,946	6,442	3,137	14,083	321	44
NG	ARNG	13,239	15,240	7,421	20,660	291	71
AR	USAR	0	0	0	0	0	0
TA	TOTAL ARMY	64,939	47,464	23,114	88,053	908	97

The following graph and table display FY 91-95 Class IX costs for consumables (CONS), reparables (REPS) and net reparables (NET REPS) by Total Army. The Total Army costs are a summation of all the MACOMs displayed on the previous page. CONS and REPS are the total costs of requisitions recorded in the Logistic Intelligence File (LIF). NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. NET TOTAL COSTS are the sums of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System - Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the number of systems in the Total Army for the fiscal year. Blank rows indicate system was not tracked in the OSMIS database during that fiscal year.

AN/UGC-74A (COMM TERM)



AN/UGC-74A (COMM TERM) FIVE YEAR TOTAL ARMY CLASS IX COSTS						
FISCAL YEAR	CONS	REPS	NET REPS	NET TOTAL COSTS	NUMBER OF SYSTEMS	AVG PER SYSTEMS
FY 91						
FY 92						
FY 93						
FY 94	94,005	38,816	21,269	115,274	868	133
FY 95	64,939	47,464	23,114	88,053	908	97

The Total Army Class IX costs from the previous pages are broken out by Work Breakdown Structure (WBS) in the following table. The FY 95 WBS Class IX costs for consumables (CONS) and reparables (REPS) are the total cost of requisitions recorded in the Logistic Intelligence File (LIF). The NET REPS are the cost to the customer in the field and are calculated by applying an MSC-specific credit rate at the NSN level. The TOTAL costs are a summation of all the WBS elements displayed in the table. NET TOTAL COSTS are the sum of the costs in CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army.

AN/UGC-74A (COMM TERM)
FY 95 TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	CONS	REPS	NET REPS	NET TOTAL COSTS	NUM OF SYSTEMS	AVG PER SYSTEM
01	FRONT END (SENSOR)	0	0	0	0	0	0
02	PROCESSING (ADPE)	61	0	0	61	908	0
03	COMMUNICATIONS	43,838	47,464	23,114	66,952	908	74
04	PERIPHERALS	330	0	0	330	908	0
05	ENVIRON SUPPORT	1,320	0	0	1,320	908	1
06	APPS SOFTWARE	0	0	0	0	0	0
07	SYST SOFTWARE	0	0	0	0	0	0
08	INTEG, ASSY, TEST	0	0	0	0	0	0
09	OTHER	19,390	0	0	19,390	908	21
	TOTAL	64,939	47,464	23,114	88,053	908	97

The following table displays FY 91-95 Class IX costs by Work Breakdown Structure (WBS) for the Total Army. NET TOTAL COSTS are the summation for all the WBS elements displayed on the previous page and are a sum of the costs of CONS and NET REPS. NUMBER OF SYSTEMS is the density recorded in the Continuing Balance System-Expanded (CBS-X). AVG PER SYSTEM costs are calculated by dividing the costs in NET TOTAL COSTS by the total number of systems in the Army for the fiscal year. Blank columns indicate system was not tracked in the OSMIS database during that fiscal year.

AN/UGC-74A (COMM TERM)
FIVE YEAR TOTAL ARMY WORK BREAKDOWN STRUCTURE COSTS

WBS	NAME	FY 91 NET TOTAL COSTS	FY 92 NET TOTAL COSTS	FY 93 NET TOTAL COSTS	FY 94 NET TOTAL COSTS	FY 95 NET TOTAL COSTS
01	FRONT END (SENSOR)				0	0
02	PROCESSING (ADPE)				15	61
03	COMMUNICATIONS				59,428	66,952
04	PERIPHERALS				1,395	330
05	ENVIRON SUPPORT				849	1,320
06	APPS SOFTWARE				0	0
07	SYST SOFTWARE				0	0
08	INTEG, ASSY, TEST				0	0
09	OTHER				53,587	19,390
	TOTAL				115,274	88,053
	NUM OF SYSTEMS				868	908
	AVG PER SYSTEM				133	97

AN/UGC-74A (COMM TERM)
TOP 40 COST DRIVERS
CLASS IX CONSUMABLES (NON-DLRs)

AN/UGC-74A (COMM TERM)
CONSUMABLES (NON-DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 95 AMDF UNIT PRICE	FY 95 QTY	EXTENDED COST (QTY * UNIT PRICE)	AVERAGE COST PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 94-95 TWO YEAR AVERAGE QTY	FY 94-95 TWO YEAR AVERAGE EXTENDED COST
1.	6135010342239	BATTERY, NONRECH	09	Z		G22T7	46.18	272.68	12,592	13.87	30.0308	656.13	30,300
2.	5998012475741	CIRCUIT CARD ASS	03J	H		G215R	647.00	17.80	11,517	12.68	1.9604	19.01	12,296
3.	5815012477346	INTERCONNECTING	03J	F		G215R	890.00	10.00	8,900	9.80	1.1013	9.81	8,731
4.	5815010631908	KEYBOARD	03J	H		G215R	1,660.00	4.00	6,640	7.31	0.4405	2.00	3,320
5.	7510012560035	RIBBON,TYPEWRITE	09	Z		G225R	8.16	677.17	5,526	6.09	74.5782	514.05	4,195
6.	5998012525449	CIRCUIT CARD ASS	03J	H		G215R	256.00	9.02	2,309	2.54	0.9934	7.63	1,953
7.	5915012475728	FILTER SUBASSEMB	03E	H		G215R	488.00	4.02	1,962	2.16	0.4427	3.57	1,740
8.	5940012328636	SPLICE,CONDUCTOR	03J	Z		Q2200	9.32	202.82	1,890	2.08	22.3370	146.76	1,368
9.	5930011608920	SWITCH,TOGGLE	03J	Z		Q2200	4.73	278.35	1,317	1.45	30.6553	195.01	922
10.	6135009300030	BATTERY, NONRECH	09	Z		G22TJ	12.81	77.30	990	1.09	8.5132	110.25	1,412
11.	5815012661646	TELETYPEWRITER S	03J	F		Q2200	303.24	3.00	910	1.00	0.3304	2.50	758
12.	5998010472767	ELECTRONIC COMPO	03J	H		G215R	457.00	1.98	905	1.00	0.2181	1.60	731
13.	3020012634091	SPROCKET WHEEL	05G	Z		J2200	706.65	1.00	707	0.78	0.1101	0.50	353
14.	5815012661647	TELETYPEWRITER S	03J	Z		Q2200	132.15	5.01	662	0.73	0.5518	6.42	848
15.	5962012150975	MICROCIRCUIT,MEM	03J	Z		Q2200	41.40	15.76	652	0.72	1.7357	11.35	470
16.	5962012642959	MICROCIRCUIT,DIG	03J	Z		Q2200	41.73	15.00	626	0.69	1.6520	13.47	562
17.	5962012640735	MICROCIRCUIT,DIG	03J	Z		Q2200	41.73	15.00	626	0.69	1.6520	12.50	522
18.	3030012633957	BELT ASSEMBLY,PO	05G	Z		J2200	538.40	1.00	538	0.59	0.1101	1.00	538
19.	5915012787064	NETWORK,CIRCUT P	03E	Z		Q2200	164.56	3.00	494	0.54	0.3304	2.00	329
20.	5962010958573	MICROCIRCUIT,LIN	03J	Z		Q22RL	60.12	6.99	420	0.46	0.7698	8.26	496
21.	5815010472658	PRINTER ASSEMBLY	04B	H		G215R	1,099.00	0.30	330	0.36	0.0330	0.19	209
22.	5815012525413	CASE,TELEPRINTER	03J	F		G215R	853.00	0.33	281	0.31	0.0363	0.17	141
23.	5995002719444	CABLE ASSEMBLY,P	03E	Z		G22R4	43.85	5.83	256	0.28	0.6421	7.75	340
24.	5962012641979	MICROCIRCUIT,MEM	03J	Z		Q2200	82.84	3.00	249	0.27	0.3304	3.03	251
25.	5935010846479	SOCKET,PLUG-IN E	03J	Z		Q2200	1.53	155.43	238	0.26	17.1178	200.00	306
26.	5915010461125	FILTER ASSEMBLY,	03E	H		G215R	640.00	0.34	218	0.24	0.0374	0.37	237
27.	5950012638620	TRANSFORMER,RADI	03J	Z		Q2200	93.81	2.00	188	0.21	0.2203	1.00	94
28.	5935004109252	CONNECTOR,RECEPT	03J	Z		Q2200	4.27	40.62	173	0.19	4.4736	21.71	93
29.	5998010479276	CIRCUIT CARD ASS	03J	H		G215R	462.00	0.36	166	0.18	0.0396	0.30	139
30.	5985012477345	COVER,TELEPRINTE	03J	Z		Q2200	900.10	0.17	153	0.17	0.0187	0.09	77
31.	6240007637744	LAMP,INCANDESCEN	09	Z		J2200	0.21	612.26	129	0.14	67.4295	559.42	117
32.	5935010053579	CONNECTOR,PLUG,E	03J	Z		Q2200	1.00	124.77	125	0.14	13.7412	139.01	139
33.	5980011987034	LIGHT EMITTING D	03J	Z		Q2200	11.95	9.39	112	0.12	1.0341	4.70	56
34.	5815010830727	BAR,SPACE,TELETY	03J	Z		Q2200	52.75	2.07	109	0.12	0.2280	2.94	155
35.	5995010901424	CABLE ASSEMBLY,P	03J	Z		G22RL	84.05	1.28	108	0.12	0.1410	2.43	204
36.	5815010830597	KEYBOARD,DATA EN	03J	H		G215R	257.00	0.40	103	0.11	0.0441	0.70	179
37.	5962010875961	MICROCIRCUIT,LIN	03J	Z		Q2200	59.38	1.63	97	0.11	0.1795	3.05	181
38.	5961012638683	TRANSISTOR	03J	Z		Q2200	15.93	6.00	96	0.11	0.6608	7.44	118
39.	5935001653342	CONNECTOR,PLUG,E	03J	Z		Q2200	15.94	5.46	87	0.10	0.6013	2.94	47
40.	5995010901423	CABLE ASSEMBLY,P	03E	Z		G22R4	53.95	1.58	85	0.09	0.1740	0.97	52

NUMBER OF SYSTEMS 908

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

63,486	97.8%	TOP 40
1,453	2.2%	OTHERS
64,939		TOTAL

AN/UGC-74A (COMM TERM)
COST DRIVERS
CLASS IX REPARABLES (DLRs)

AN/UGC-74A (COMM TERM)
REPARABLES (DLRs)

	NSN	NOMENCLATURE	WBS	MRC	ARI	MATCAT	FY 95AMDF UNIT PRICE W/O CREDIT	FY 95AMDF UNIT PRICE W/CREDIT	FY 95 QTY	EXTENDED COST W/CREDIT (QTY * UNIT PRICE)	AVERAGE COST (W/CREDIT) PER SYSTEM	AVERAGE QUANTITY PER 100 SYSTEMS	FY 94-95 TWO YEAR AVERAGE QTY	FY 94-95 TWO YEAR AVERAGE EXTENDED COST (W/CREDIT)
1.	5998012475737	CIRCUIT CARD ASS	03J	L		G215R	572.00	278.56	36.94	10,290	11.33	4.0683	35.34	9,844
2.	5998012475740	CIRCUIT CARD ASS	03J	L		G215R	472.00	229.86	33.36	7,668	8.44	3.6740	32.51	7,472
3.	5998012475739	CIRCUIT CARD ASS	03J	L		G215R	319.00	155.35	25.71	3,994	4.40	2.8315	20.99	3,261
4.	5998010472652	CIRCUIT CARD ASS	03J	L		G215R	783.00	381.32	2.07	789	0.87	0.2280	1.05	398
5.	5998012475738	CIRCUIT CARD ASSEM	03J	L	E	G215R	188.00	91.56	3.22	295	0.32	0.3546	3.07	281
6.	5998010472653	CIRCUIT CARD ASS	03J	L		G215R	500.00	243.50	0.30	73	0.08	0.0330	0.38	93
7.	5998010830731	CIRCUIT CARD ASS	03J	L		G215R	208.00	101.30	0.05	5	0.01	0.0055	0.15	15

NUMBER OF SYSTEMS 908

NOTE: ROWS MAY NOT CALCULATE DUE TO ROUNDING

23,114	100.0%	COST DRIVERS
0	0.0%	OTHERS
23,114		TOTAL

The following table summarizes FY 95 Depot Maintenance Costs from the Master File Maintenance (MFM). Depot maintenance costs are displayed by cost elements for end item maintenance and secondary item maintenance. The OTHER cost columns represent work categories such as progressive maintenance, renovation, and fabrication/manufacture.

AN/UGC-74A (COMM TERM)
FY 95 DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE				SECONDARY ITEM MAINTENANCE		
	REPAIR	OVERHAUL	OTHER	MODIFICATION	REPAIR	OVERHAUL	OTHER
CIVILIAN LABOR	0	0	0	0	0	0	0
MILITARY LABOR	0	0	0	0	0	0	0
MATERIEL	0	0	0	0	0	0	0
OVERHEAD	0	0	0	0	0	0	0
CONTRACT	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0
QTY COMPLETED	0	0	0	0	0	0	0
AVG COST	0	0	0	0	0	0	0

The table below summarizes FY 95 Intermediate Maintenance Costs from the Work Order Logistics File (WOLF) data. The labor hours and labor costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance are displayed by MACOM and Total Army. MACOM DS/GS LABOR COSTS are calculated by multiplying MACOM DS/GS LABOR HOURS by the Army Manpower Cost System (AMCOS) E-5 composite standard rate ($16.98). CIVILIAN LABOR COSTS are a summation from the source data.

AN/UGC-74A (COMM TERM)
FY 95 INTERMEDIATE MAINTENANCE COSTS

MACOM	DS/GS LABOR HOURS	DS/GS LABOR COSTS	CIVILIAN LABOR HOURS*	CIVILIAN LABOR COSTS*	CIVILIAN LABOR COST/HOUR
FORSCOM	27	458	0	0	0.00
USAREUR	33	560			
EUSA	77	1,307			
USARPAC	0	0			
USARSO	0	0			
USASOC	9	153			
TRADOC	0	0	18	508	28.22
ARNG	36	611			
USAR	0	0			
TOTAL ARMY	182	3,089	18	508	28.22

*TRADOC LABOR HOURS and LABOR COSTS include contractor hours and costs.

The following table summarizes FY 91-95 Depot Maintenance Costs. The depot maintenance data are recorded in MFM. FY 95 costs are a summation of the cost elements displayed on the previous page. END ITEM OVERHEAD costs were not separately identified prior to FY 92. Blank columns indicate the system was not tracked in the OSMIS database during that fiscal year.

AN/UGC-74A (COMM TERM)
FIVE YEAR DEPOT MAINTENANCE COSTS

COST ELEMENTS	END ITEM MAINTENANCE					SECONDARY ITEM MAINTENANCE				
	FY 91	FY 92	FY 93	FY 94	FY 95	FY 91	FY 92	FY 93	FY 94	FY 95
CIVILIAN LABOR				52,095	0				0	0
MILITARY LABOR				0	0				0	0
MATERIEL				7,768	0				0	0
OVERHEAD				70,512	0				0	0
CONTRACT				0	0				0	0
OTHER				1,557	0				0	0
TOTAL				131,932	0				0	0
QTY COMPLETED				58	0				0	0
AVG COST				2,275	0				0	0

The table below summarizes FY 91-95 Intermediate Maintenance Costs from WOLF. The fiscal year total costs for Direct Support/General Support Intermediate Maintenance (DS/GS) and Civilian Maintenance (CIV) are displayed by MACOM and Total Army. MACOM DS/GS labor costs are calculated by multiplying MACOM labor hours by the Army Manpower Cost System (AMCOS) E-5 composite standard rate. DS/GS COST PER HR is the E-5 composite standard rate in FY 95 constant dollars. Civilian labor costs are a summation from the source data. Blank columns indicate the system was not tracked in the OSMIS database during that fiscal year.

AN/UGC-74A (COMM TERM)
FIVE YEAR INTERMEDIATE MAINTENANCE COSTS

MACOM	DIRECT/GENERAL SUPPORT INTERMEDIATE MAINTENACE (DS/GS)					CIVILIAN MAINTENANCE (CIV)				
	FY 91	FY 92	FY 93	FY 94	FY 95	FY 91	FY 92	FY 93	FY 94	FY 95
FORSCOM				1,314	458				595	0
USAREUR				119	560					
EUSA				1,484	1,307					
USARPAC				17	0					
USARSO				0	0					
USASOC				153	153					
TRADOC				0	0				0	508
ARNG				2,883	611					
USAR				0	0					
TOTAL ARMY				5,970	3,089				595	508
LABOR HRS				350	182				27	18
COST PER HR				17.06	16.98				22.04	28.22

The following list shows the FY 95 Secondary Item - Rebuilds/Overhauls Cost Drivers recorded in the Master File Maintenance (MFM). AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 95 TOTAL COST TO REBUILD/OVERHAUL by the FY 95 QTY COMPLETED.

AN/UGC-74A (COMM TERM)
FY 95 DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS

NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 95 TOTAL COST TO REBUILD/ OVERHAUL	FY 95 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA					

The following list shows the FY 95 Secondary Item Maintenance - Repairs Cost Drivers recorded in Master File Maintenance (MFM). AVG COST TO REPAIR is calculated by dividing the costs in FY 95 TOTAL COST TO REPAIR by the FY 95 QTY COMPLETED.

AN/UGC-74A (COMM TERM)
FY 95 DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS

NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 95 TOTAL COST TO REPAIR	FY 95 QTY COMPLETED	AVG COST TO REPAIR
NO DATA					

The following list shows the FY 91-95 Secondary Item - Rebuild/Overhaul Cost Drivers recorded in MFM. These five year Cost Drivers were revised from the previous years' report. AVG COST TO REBUILD/OVERHAUL is calculated by dividing the costs in FY 91-95 TOTAL COST TO REBUILD/OVERHAUL by the FY 91-95 QTY COMPLETED.

AN/UGC-74A (COMM TERM)
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REBUILDS/OVERHAULS COST DRIVERS

NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 91-95 TOTAL COST TO REBUILD/ OVERHAUL	FY 91-95 QTY COMPLETED	AVG COST TO REBUILD/ OVERHAUL
NO DATA					

The following list shows the FY 91-95 Secondary Item - Repair Cost Drivers recorded in MFM. These five year cost drivers were revised from the previous years' report. The AVG COST TO REPAIR is calculated by dividing the costs in FY 91-95 TOTAL COST TO REPAIR by the FY 91-95 QTY COMPLETED.

AN/UGC-74A (COMM TERM)
FIVE YEAR DEPOT SECONDARY ITEM MAINTENANCE - REPAIRS COST DRIVERS

NSN	NOMENCLATURE	FY 95 AMDF PRICE	FY 91-95 TOTAL COST TO REPAIR	FY 91-95 QTY COMPLETED	AVG COST TO REPAIR
NO DATA					

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